Recombinant Human PPP3R1, His-tagged

Cat. No. PPP3R1-27208TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Calcineurin B with N terminal His tag; 190 amino acids with tag, MWt 21.5 kDa inclusive of tag,
Species	Human
Source	E.coli
ProteinLength	170 amino acids
Description	PPP3R1, also known as Calcineurin subunit B type 1, is a Ser/Thr-specific calcium and calmodulin-dependent protein phosphatase that plays an essential role in the T cell activation pathway.
Conjugation	HIS
Molecular Weight	21.500kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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	freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGNEASYPLEMCSHFDADEIKRLGKRFKKLDLDNS GSLSVEEFMSLPELQQNPLVQRVIDIFDTDGNGEVDFKEFIEGVSQFSVKGDKEQKL RFAFRIYDMDKDGYISNGELFQVLKMMVGNNLKDTQLQQIVDKTIINADKDGDGRISF EEFCAVVGGLDIHKKMVVDV
Sequence Similarities	Belongs to the calcineurin regulatory subunit family.Contains 4 EF-hand domains.

GENE INFORMATION

Gene Name	PPP3R1 protein phosphatase 3, regulatory subunit B, alpha [Homo sapiens]
Official Symbol	PPP3R1
Synonyms	PPP3R1; protein phosphatase 3, regulatory subunit B, alpha; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), alpha isoform (calcineurin B, type I) , protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcine
Gene ID	5534
mRNA Refseq	NM_000945
Protein Refseq	NP_000936
MIM	601302
Uniprot ID	P63098

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Chromosome Location	2p14
Pathway	Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem;
Function	calcium ion binding; calcium-dependent protein serine/threonine phosphatase activity; calmodulin binding; phosphoprotein phosphatase activity;

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